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**UNITED STATES ENVIRONMENT PROTECTION AGENCY
REGION 5
EMERGENCY RESPONSE BRANCH
POLLUTION REPORT**

Date: December 3, 1999

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Subject: South Central Terminal, OPA Oil Spill Response Action,
Pana, Christian County, Illinois
Latitude: N 39° 22' 24.6" Longitude: W 89° 04' 57.2"

POLREP No.: 7

Reporting Period: 11/29 - 12/03, 1999

Start Date: August 25, 1999

Completion Date:

NPL Status: Non-NPL

FPN: N99269;

Response Authority: OPA

USEPA Site ID No.: Z5AX

Task Order No.: 41

I. SITUATION:

- A. Oil spill response activities resumed 11/29, when ERRS mobilized to site after the turkey holiday break. OSC Fred Bartman currently on-site overseeing removal activities. Additional funding is pending for the continuation of the project under OPA. The IAG approval by USCG for project funding under OPA was received in late October, 1999. On-site water treatment has been completed, and the mobile water treatment system demobilized. ERRS began excavating the oil contaminated soil from the secondary containment structures surrounding tanks 118, 117, 37, and 19. T&D of the solidified sludge from the surface impoundment began 11/30. As of 12/2/99, over 1,479 tons oil contaminated soil and sludge were sent for disposal.

- B. Weather: sunny and colder. Temperatures have ranged from the upper 20's °F in the morning to the middle 50's °F by the afternoon. Watering site roads for dust control. Security service patrolling grounds during non-working hours. The site has remained secure after hours.

II. ACTIONS TAKEN:

- A. Consolidation of oil and water from tanks, process piping, and the surface impoundments, resumed 11/29. Additional funding of \$275,000 was received on 12/2/99, to complete the oil spill response actions. Additional \$70,000, received 11/10 to continue the cleanup through the Thanksgiving holiday. IAG paperwork and transfer of funds from the USCG to EPA has not yet been completed. Region 5 Grants Program are slow in processing the necessary paperwork internally.
- B. Disposal for the material in Tank 90 is presently being evaluated. Several disposal facilities mobilized this past week to collect a sample for characterization and acceptance. All of the disposal companies that were requested to provide a quotation are believed to have insulated tank trucks to transport the material to their facility. Previously, three tank truck shipments (18,300 gal) were sent 11/03, to Liquid Waste Removal's facility in Greenwood, IN, for fuels blending. Disposal was suspended 11/04, when the facility determined it could not handle the very thick material. The facilities that are currently evaluating the material have made representations that they can handle the very thick, oily waste stream.
- C. On 11/30, the ERRS crew consolidated the drums and small containers (>5 gal) containing oily wastes with the surface impoundment sludge being solidified (see next item.)
- D. Began solidification of surface impoundment sludge 11/11. Samples of sludge and solidified sludge collected and sent for disposal analysis 11/15. Results received 11/29, and indicated the presence of elevated levels of heavy hydrocarbons. All metals were below detection limits for RCRA characteristic wastes. This waste stream will be disposed of as a non-hazardous material. The surface impoundment solidification continued on 11/29 and was completed by 12/2. The material has been stockpiled and T&D continued through the weekend.
- E. T&D of non-hazardous solidified oil sludge/soil continued on 11/30. A total of 59 truckloads, 1,436 tons of material was shipped to Chem Waste's landfill in Taylorville, IL, through 12/2/99. This waste stream contains oily tank bottoms, and heavily impacted hydrocarbon soil.
- F. On 11/29 and 12/1, ERRS mobilized an excavator with a larger hydraulic shear, and an additional track excavator with bucket, and a track loader to assist with excavation of hydrocarbon contaminated soils surrounding tanks 117, 118, 119, 37, and 19. The large shear will be utilized to open these large tanks for sludge removal.
- G. Began demolishing Tank 19 on 11/30. EQM began excavating around Tank 117 at a depth of 2-feet and 15-feet away from the heavy impacted hydrocarbon soil from four tank farm areas. This material to be stockpiled and disposed of with the oil sludge/soil waste stream.

III. PLANS

- A. Continue collection and consolidation of residual oil and water from on-site tanks and process piping.
- B. Continue T & D of the solidified sludge from surface impoundment. Excavate all visibly contaminated soil up to the mouth of the intermittent stream. Collect verification samples to ensure removal of heavy hydrocarbons to acceptable levels. Backfill with clean fill and compact to grade. Surface grade to be gently sloped to the west to provide sheet flow of surface water.
- C. Solidify thick sludge from tank 302, and add to oil sludge/soil waste stream.
- D. Continue evaluation of tank 90 waste stream. Oily material is very viscous and will require insulated or heated tank truck for transport to a disposal facility if it is to be burned for energy recovery. Options being considered are on-site use for energy recovery (boiler) or solidification and land filling. There is approximately 180,000 gallons of viscous material for disposal.
- E. Continue excavating heavily impacted hydrocarbon soil from secondary containment structures surrounding the tanks which previously held ADM's ammonium sulfate. Sludge from these tanks is to be consolidated with ammonium sulfate contaminated soil and disposed of by ADM.

IV KEY ISSUES:

- A. Additional OPA funding has been provided by the Region's general oil spill account. On October 28th the ERRS contractor Task Order was increased \$50,000, on November 11th, for \$70,000, and again on December 2nd for an additional \$275,000 to complete the project, which includes T & D. This brings the current cleanup contractor ceiling to \$570,000. The IAG was approved by the USCG by October 15th, and sent to the Region for processing. The process for allocating and distributing the funding within the Region is inefficient and will result in the project begin completed before the funding is available.

V. COSTS:

A. Case open.

B. Costs as of 12/3/1999:

| | <u>Budgeted</u> | <u>Total To Date</u> | <u>Remaining</u> |
|--------------|------------------------|----------------------|------------------|
| ERRS | \$570,000 ¹ | \$281,570 | \$13,430 |
| U.S. EPA | \$87,600 | \$16,432 | \$71,768 |
| START | <u>\$60,000</u> | <u>\$10,467</u> | <u>\$49,533</u> |
| Total | \$442,600 | \$307,069 | \$135,531 |

1. Amount requested from USCG in IAG is \$600,000. Current Task Order ceiling is \$570,000.

VI. DISPOSITION OF WASTES

- A. As of 12/2/99, a total of 1,479 tons of non-hazardous solidified oil sludge and soil has been shipped to Chemical Waste management's Five Oaks landfill in Taylorville, IL.
- B. Shipped 18,300 gallons of viscous oil to Liquid Waste Removal, Greenwood, IN, for fuels blending.

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